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HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 1406
Activity No.: PER20030063

Ms. Anne-Marie Ainsworth
Refinery Manager
Motiva Enterprises LLC, Norco Refinery
Post Office Box 10
Norco, Louisiana 70079

RE: Operating Permit Renewal/Modification, Residual Catalytic Cracking Unit, Norco Refinery, Motiva Enterprises LLC, Norco, St. Charles Parish, Louisiana

Dear Ms. Ainsworth:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 2602-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
SGQ
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**RESIDUAL CATALYTIC CRACKING UNIT, NORCO REFINERY
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC
NORCO, ST. CHARLES PARISH, LOUISIANA**

I. Background

The refinery is a joint venture owned by Shell Oil Company and Saudi Refining, Inc. and operating under the name of "Motiva Enterprises LLC". The Residue Catalytic Cracking Unit (RCCU) is operated under a Part 70 Operating Permit No. 2602-V1 dated January 13, 2004.

II. Origin

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated October 23, 2003. A modified renewal application and EIQ dated April 13, 2004; as well as additional information dated February 6, 2004; April 30, May 18 and 29, June 15 and 18, 2007; March 24 and June 30, December 17 and 31, 2008; and as of January 15, 2009

III. Description

The RCCU is a standard refinery process that involves a fluidized bed catalytic cracking unit designed to convert heavy oil feedstocks into lighter products. Unit feed is preheated and pumped into a set of parallel reactor risers, where it is contacted by hot regenerated catalyst. Cracking of the hydrocarbon takes place as hydrocarbon vapors and catalyst flow up the riser line.

The reaction section includes feed preparation and the reactor. Feed preparation involves the blending and heating of feedstocks via a furnace. The reactor contacts the preheated feedstocks with a hot catalyst. The catalyst is a fine powder that is aerated to behave as a fluid. The cracked products from the reactor pass through cyclones to separate the catalyst from the reactor products. Reactor products flow to the fractionation section. The spent catalyst returns to the regeneration section.

The fractionation section includes a main fractionator, a gas compression system, and a series of distillation columns for the separation of the various products. The gas compression system handles the non-condensable gases from the top of the main fractionator and routes them through product treaters to downstream systems for further processing to recover LPG, remove sulfur from dry gas and C3/C4 streams, and fuel gas blending.

The regeneration section includes the regenerator, CO heater, and flue gas scrubber. The regenerator burns carbon (or coke) deposits off the spent catalyst exiting the reactor. The regenerated catalyst is then returned to the reactor section. The flue gases exiting the

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regenerator pass through cyclones to minimize loss of catalyst particles and flows to the CO heater. The CO heater converts any CO remaining in the flue gas to carbon dioxide while recovering energy by producing steam. The treated gases leaving the CO heater enter a flue gas scrubber to remove sulfur oxides and particulate matter.

The debutanizer bottoms from the RCCU will be fed to the LSG Unit CDHydronaphtha splitter column.

The Sec-Butyl Alcohol (SBA) Feed Prep Unit is being incorporated in this permit. The SBA was grandfathered under the ownership of Shell Chemical LP Norco Chemical Plant – East Site (Shell).

The SBA Feed Prep Unit converts butylene from the RCCU and the Distillation Unit (DU5) to 1-butene which is used as a feedstock for Motiva Enterprises LLC, Norco Refinery.

During the previous turnaround the facility added a new CSO vacuum stripper column in the RCCU, modified the RCCU regenerator and updated other associated equipment. This modification was approved under Permit No. 2602-V0 dated April 29, 1999.

Permit No. 2602-V1 dated January 13, 2004 allowed the facility to update the changes due to the installation of the LSG Project and associated activities which were permitted under Permit No. 2794-V0 in September 2002.

The facility is now requesting to modify the permit as follows:

- 1 Update emissions based on the revised AP-42, Compilation of Air Pollutant Emissions Factors;
- 2 Update the RCCU emissions based on the proposed requirements of the Consent Decree between U.S. EPA and Motiva Enterprises LLC (Civil Action No. H-01-0978, entered on August 21, 2001)
- 3 Update emissions rates from the process heaters and other fuel burning equipment based on the High Heating Value (HHV) rather than the Lower Heating Value (LHV) emission rates;
- 4 Update fugitive emissions based on the current operating conditions and recent audit done for fugitive components, no physical modification is being undertaken;
- 5 Update the General Condition XVII based on the recent audit;
- 6 Transfer SBA to Motiva Enterprises, LLC
- 7 Update the Insignificant Activities List based on the recent audit; and

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8 Update the regulatory requirements as appropriate.

Permitted emissions from the RCCU in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	242.60	80.92	- 161.68
SO ₂	639.30	336.45	- 302.85
NO _x	1472.60	1309.07	- 163.53
CO	407.40	260.73	- 146.67
VOC	478.90	327.48	- 151.42

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,3-Butadiene	0.06	0.07	+ 0.01
1-Methylnaphthalene	NR	<0.01	+ <0.01
2,2,4-Trimethylpentane	NR	0.02	+ 0.02
2-Methylnaphthalene	NR	<0.01	+ <0.01
Benzene	7.06	0.59	- 6.47
Biphenyl	NR	<0.01	+ <0.01
Cresol	NR	0.02	+ 0.02
Cumene	NR	<0.01	+ <0.01
Diethanolamine	0.34	0.34	-
Ethyl benzene	9.81	0.12	- 9.69
Methyl tert-butyl ether	0.16	<0.01	- 0.16
n-Hexane	1.92	0.31	- 1.61
Naphthalene (and methyl-naphthalenes)	2.35	1.33	- 1.02
Phenol	<0.01	<0.01	-
Polynuclear Aromatic Hydrocarbons	0.19	0.18	- 0.01
Styrene	0.04	<0.01	- 0.04
Toluene	23.99	1.19	- 22.80
Xylene (mixed isomers)	9.46	1.50	- 7.96
Total	55.38	5.67	-49.71

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Non-VOC Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	0.09	11.90	+ 11.81
Antimony (and compounds)	1.06	0.23	- 0.83
Barium (and compounds)	0.17	0.01	-0.16
Chromium (and compounds)	0.31	0.01	- 0.30
Cobalt (and compounds)	0.17	0.01	- 0.16
Copper (and compounds)	0.04	0.001	- 0.04
Hydrochloric acid	NR	0.49	+ 0.49
Hydrogen Cyanide	NR	1.04	+ 1.04
Hydrogen sulfide	0.14	0.17	+ 0.03
Lead (and compounds)	NR	0.10	+ 0.10
Manganese (and compounds)	0.08	<0.01	- 0.08
Mercury (and compounds)	NR	0.01	+ 0.01
Nickel (and compounds)	1.06	0.68	- 0.38
Sulfuric acid	NR	83.59	+ 83.59
Zinc (and compounds)	0.17	0.01	- 0.16
Total	3.29	98.25	+ 94.96

Other VOC 321.82

NR = Not reported earlier

The change in VOC and Non-VOC Toxic Air pollutants is not an actual emission increase but is due to a thorough analysis of the speciation. The total VOC is reducing by 151.42 tons per year as shown above.

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and St. Charles Herald-Guide, Louisiana, on **** **, 2009. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on ***** **, 2009. The proposed permit was sent to U.S. EPA via e-mail on ***** **, 2009. All comments received shall be considered before an action is taken on this proposed permit.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model Used: Screening Results

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu\text{g}/\text{m}^3$)	Louisiana Air Quality Standard (NAAQS) ($\mu\text{g}/\text{m}^3$)
H ₂ SO ₄	8-Hr	2.11	23.80
NH ₃	8-Hr	0.89	640

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VIII. General Condition XVII Activities Emissions in tons

Activity	Frequency	NO _x	CO	SO ₂	PM ₁₀	VOC
RCCU Sampling (Light Liquids)	384 events/month					0.29
RCCU Sampling (Heavy Liquids)	384 event/month					0.06
Tank K-7400 Cleaning	1/yr					0.07
Tank K-7600 Cleaning	1/yr					0.13
Tank K-7800 Cleaning	1/yr					0.13
Pump Preparation and Instrument Maintenance	25/month					0.04

IX. Insignificant Activities

ID No.:	Description	Citation
43-HEF-3	Control Room Lab Vent (1,412 scfm)	LAC 33:III.501.B.5.A.6
K-7000	50 BE Caustic Tank (117,000 gal)	
B-7084	Turbo 68 Lube Oil Tank (287 gal)	LAC 33:III.501.B.5.A.3
B-7085	Hydraulic Oil Tank (1,200 gal)	LAC 33:III.501.B.5.A.3
B-7086	Turbo 68 Lube Oil Tank (3,950 gal)	LAC 33:III.501.B.5.A.3
TK-105	Chem 35 Soap Tank (560 gal)	LAC 33:III.501.B.5.A.10
B-7025	Turbo 68 Lube Oil Tank (440 gal)	LAC 33:III.501.B.5.A.3
B-7102	Turbo 68 Lube Oil Tank (1,616 gal)	LAC 33:III.501.B.5.A.3
43-HEF-1	Control Room Lab Vent (1,784 scfm)	LAC 33:III.501.B.5.A.6
53-HEF-2	Control Room Lab Vent (1,811 scfm)	LAC 33:III.501.B.5.A.6
-	Portable Refractory Heaters (3, 0.15 MM BTU/hr each)	LAC 33:III.501.B.5.A.1
K-7403	10 BE Caustic Tank (16,800 gal)	LAC 33:III.501.B.5.B.40
K-7700	2.4 BE Caustic Tank (5,040 gal)	LAC 33:III.501.B.5.B.40
K-7401	25 BE Caustic Tank (42,000 gal)	LAC 33:III.501.B.5.B.40

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ID No.:	Description	Citation
K-7000	50 BE Caustic Tank (117,000 gal)	LAC 33:III.501.B.5.B.40
TK-102	Chem 35 Soap Tank (560 gal)	LAC 33:III.501.B.5.A.10
M-7601	UOP #5 Antioxidant Tank (5,040 gal)	LAC 33:III.501.B.5.A.3
P-7101	Turbo 68 Slurry Pump Lube Oil (80 gal)	LAC 33:III.501.B.5.A.2
P-7102	Turbo 68 Slurry Pump Oil (80 gal)	LAC 33:III.501.B.5.A.2
B-7026	Turbo 68 Lube Oil Tank (135 gal)	LAC 33:III.501.B.5.A.2
-	Chem 100S Tank (550 gal)	LAC 33:III.501.B.5.A.3
TK-107	Gas Oil Tank (3,700 gal)	LAC 33:III.501.B.5.A.3
B-7028	Turbo 68 Lube Oil Tank (287 gal)	LAC 33:III.501.B.5.A.3
PV-7057	Turbo 68 Lube Oil Tank (714 gal)	LAC 33:III.501.B.5.A.3
B-7029	Turbo 68 Lube Oil Tank (120 gal)	LAC 33:III.501.B.5.A.2
B-7204	Turbo 68 Lube Oil Tank (287 gal)	LAC 33:III.501.B.5.A.3
PV-7115	Turbo 68 Lube Oil Tank (834 gal)	LAC 33:III.501.B.5.A.3
B-7103	Turbo 68 Lube Oil Tank (287 gal)	LAC 33:III.501.B.5.A.3
9-1008	BPR 81212 Tank (2,000 gal)	LAC 33:III.501.B.5.A.3
TK-103	Supersolve Soap Tank (560 gal)	LAC 33:III.501.B.5.A.3
9-1010	BPR 44620 Tank (3,000 gal)	LAC 33:III.501.B.5.A.3
TK-104	Supersolve Soap Tank (560 gal)	LAC 33:III.501.B.5.A.3
-	Ph Inj. Sulfuric Acid Tank (1204.75 gal)	LAC 33:III.501.B.5.A.3
TK-101	Chem 35 Soap Tank (560 gal)	LAC 33:III.501.B.5.A.10

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																		
		5	9	11	13	15	2103	2104	2111	2121	2115	17	21	2301	29	51	52	56	59	
UNF 8	Residual Catalytic Cracking Unit	1	1	1	1	1							1	1	1					
EQT 30	1-91, Feed Preheater			1	1	1														1
EQT 31	10-91, Catalyst Hopper			1	1	1														1
EQT 38	11-91, Rail Car/Truck Loading			1	1	1														1
EQT 45	2-91, CO Heater			1	1	1							1							1
EQT 46	2006-95, Cooling Water Tower				2															1
EQT 47	3-91, Steam Superheater			1	1	1														1
EQT 48	5-91, Fixed Roof Tank						2													1
EQT 49	6-91, IF Roof Tank						2													1
EQT 51	8-84, RCCU Flare			1	1	1														1
EQT257	1-03, B-7101 Fixed Roof Tank						2													1
EQT333	PGN, Pilot Gas (natural gas)													2						2
EQT334	PGH, Purge Gas (hot blowdown system)														1					2
EQT335	PGFL, Purge Gas (flare knockout)														1					2
EQT336	MFBS, Main Fractionator Blowdown (slurry)														1					2
EQT337	MFBE, Main Fractionator Blowdown (flushing oil)																			1
EQT338	PGF, Purge Gas (fuel gas)																			1
EQT339	K-8100, LSG Compressor Seal														1	1				2
EQT340	PTS, LSG Pump Tandem Seals															1				1

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5	9	11	13	15	2103	2104	2111	2121	2115	17	21	2301	29	51	52	56	59	
EQT341	DOS, Disulfide Oil Separator Vent																			
EQT342	CNTLVNT293, SBAFP BB Splitter Accumulator										1									
EQT343	CNTLVNT337, SBAFP Anal Vent																			
EQT344	CNTLVNT338, SBAFP Anal Vent																			
FUG 4	RCCU Fugitive Emissions									1	1									
FUG 22	3018-95, SBA Feed Prep Unit Fugitives									1	1									
TRT 1	RCCU Process Water Emissions																			

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
- Blank - The regulations clearly do not apply to this type of emission source.

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR								
	A	Db	Dc	J	Kb	XX	GGG	NNN	QQQ	A	J	M	V	FF	A	Q	CC	UUU	52	64	68	82

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
- Blank -- The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
UNF 8 Residual Catalytic Cracking Unit	Compliance Assurance Monitoring 40 CFR Part 64	Does not apply	40 CFR 64.42(a)(2)	No control device is being used to comply with any standards or limits
EQT 30 1-91, Feed Preheater	LAC 33:III. Chapter 13 - Emission Standards for Particulate Matter	Does not apply	LAC 33:III.1311.B and C	In direct heating
EQT 31 10-91, Catalyst Hopper	LAC 33:III. Chapter 51 Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.5105.B.3.a	Virgin fossil fuel blended with refinery fuel gas
EQT 38 11-91, Rail Car/Truck Loading	NESHAP Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2)	Does not contain, contact, or emit any of the HAPs listed in Table 1
EQT 46 2006-95, Cooling Water Tower	NESHAP Subpart XX – Bulk Gasoline Terminals	Does not apply	40 CFR 500	Source is not a bulk gasoline terminal
	NESHAP Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2)	Does not contain, contact, or emit any of the HAPs listed in Table 1
	LAC 33:III. Chapter 13 - Emission Standards for Particulate Matter	Exempt	LAC 33:III.1311.F	Emits water vapor
	NPS Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems	Does not apply	40 CFR 60.692-1(d)(3)	Non water cooling system
	NESHAP Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.341	Does not meet the definition of process unit
	NESHAP Subpart Q – HAPs for Industrial Process Cooling Towers	Does not apply	40 CFR 63.400	No chromium-based water treatment chemicals are used
EQT47 3-91, Steam Superheater	NPS Subpart Db – Industrial-Commercial-Institutional Steam Generating Units	Does not apply	40 CFR 60.40b	Heat input less than 100 MM BTU/hr

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT 48 and 49 5-91 and 6-91, Fixed and Internal Floating Roof Tanks	LAC 33:III. Chapter 21 – Control of Emission of Organic Compounds, Storage of VOCs	Does not apply	LAC 33:III.2103	Vapor pressure of material less than 1.5 psia
EQT257 1-03, Fixed Roof Tank	LAC 33:III. Chapter 21 – Control of Emission of Organic Compounds, Storage of VOCs	Does not apply	LAC 33:III.2103	Vapor pressure of material less than 1.5 psia
EQT333 Purge Gas (natural gas)	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115	Not a waste gas stream
EQT333, 334, 335, and 336 PGN, PGH, and PGFL Purge Gas System and Fractionator Blowdown	LAC 33:III. Chapter 51 Comprehensive Toxic Air Pollutant Emission Control Program	Does not apply	LAC 33:III.5101	Sources do not emit TAPs
EQT339 K-8100, LSG Compressor Seal	NESHAP Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2)	Do not contain, contact, or emit any of the HAPs listed in Table 1
	LAC 33:III. Chapter 51 Comprehensive Toxic Air Pollutant Emission Control Program	Does not apply	LAC 33:III.5101	Sources do not emit TAPs
	NESHAP Subpart J – Equipment Leaks of Benzene	Does not apply	40 CFR 61.110	Benzene less than 10% by wt.
	NESHAP Subpart V – Equipment Leaks	Does not apply	40 CFR 61.240	Benzene less than 10% by wt.
EQT340 PTS, LSG Pump Tandem Seals	NESHAP Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2)	Do not contain, contact, or emit any of the HAPs listed in Table 1
FUG 4 9-91, RCCU Fugitive Emissions	NESHAP Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2)	Do not contain, contact, or emit any of the HAPs listed in Table 1
	NESHAP Subpart J – Equipment Leaks of Benzene	Does not apply	40 CFR 61.110 and 241	Not in benzene service

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
FUG 4 9-91, RCCU Fugitive Emissions	NESHAP Subpart V – Equipment Leaks	Does not apply	40 CFR 61.241	Not in VIIAP service

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

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2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529:A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63

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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 23, 2003; updated renewal application dated April 13, 2004; as well as additional information dated February 6, 2004; April 30, May 18 and 29, June 15 and 18, 2007; March 24, June 30, December 17 and 31, 2008 and as of January 15, 2009.
- IV. This permit shall become invalid, for the sources not constructed, if:
- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.
- The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
- This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT
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- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

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- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information
AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
2520-00002	Motiva Enterprises LLC - Norco Refinery	CDS Number	05-27-1993
13-1299890	Federal Tax Id	Federal Tax ID	11-20-1999
72-0262490	Federal Tax ID #	Federal Tax ID	01-08-2001
76-0489497	Shell Norco Refining Co	Federal Tax ID	07-23-2002
76-0567102	Federal Tax Identification Number	Federal Tax ID	11-21-1999
LAD008186579	Motiva Enterprises LLC - Norco Refinery	Hazardous Waste Notification	08-18-1980
CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
2520-00002	Motiva Enterprises LLC - Norco Refinery	Historic Emission Inventory System (EIS) ID	03-03-2004
2520-00002	Historic Toxic Emissions Data Inventory (TED) ID	Historic Toxic Emissions Data Inventory (TED) ID	01-01-1991
LAD008186579	Inactive	Inactive & Abandoned Sites	11-01-1979
LA0003522	WPC File Number	LPDES Permit #	06-25-2003
WP0512	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2176-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
2176	Radioactive Material License	Radiation License Number	10-24-2001
GD-089-0359	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GPD-089-2265	Site ID #	Solid Waste Facility No.	08-17-2001
100456	Site ID #	Solid Waste Facility No.	08-17-2001
17667	Shell Norco Refining Co	TEMPO Merge	01-27-2005
19277	Shell Oil Co - Norco Manufacturing Complex Refinery	TEMPO Merge	02-21-2001
33125	Motiva Enterprises - Norco Refinery	TEMPO Merge	02-21-2001
34615	Motiva Enterprises LLC/Shell Oil Co/Norco Refinery	TEMPO Merge	04-29-2001
37398	Motiva Enterprises LLC - Norco Refining Plant	TEMPO Merge	02-21-2001
38782	Shell Oil Co Norco	TEMPO Merge	07-05-2001
45019	Motiva Norco Refining Co	TEMPO Merge	05-02-2001
47233	Shell Oil Co - Norco Manufacturing Complex	TEMPO Merge	02-21-2001
71559	Shell Oil Co - Norco Refinery - Motiva LLC Norco Refinery	TEMPO Merge	02-21-2001
70079MTVNR15536	Norco Refinery	TEMPO Merge	02-21-2001
45-000831	TRI #	Toxic Release Inventory	07-13-2004
45-000831	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
45-000831	UST Facility Id Number	UST FID #	09-10-1999
WP0512	WPC State Permit Number	Water Permitting	11-21-1999

Physical Location:

15536 River Rd

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Main FAX: 5044656360

TPOR0149

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

(a portion of)
 Norco, LA 70079

Main Phone: 5044657609

Mailing Address:
 PO Box 10
 Norco, LA 700790010

Location of Front Gate: 29° 59' 43" 34 hundredths latitude, 90° 24' 36" 6 hundredths longitude, Coordinate Method: Lat \Long, - DMS, Coordinate Datum: NAD83

Name	Mailing Address	Phone (Type)	Relationship
Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Billing Party for
Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Permit Contact For
Keith Casey		5042747762 (WP)	Katrina Response Contact for
W. Caughman		50444417558 (WP)	Employed by
Herschel Craven			Accident Prevention Contact for
William Cupp	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Underground Storage Tank Contact for
William Cupp	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Employed by
F. Foster			Employed by
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Solid Waste Billing Party for
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Haz. Waste Billing Party for
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Employed by
Robert Hastings		5044656274 (WP)	Employed by
R. Jacoby		5044657678 (WP)	Employed by
R. Kuehn		5044657401 (WP)	Employed by
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Contact For
Kirk Menard		5044657202 (WP)	Hazardous Waste Permit Contact For
Kirk Menard		5044657202 (WP)	Employed by
Philip Snyder		5044657220 (WP)	Employed by
R. Terrebonne		5044657093 (WP)	Employed by
Rene' Thoulion	PO Box 10 Norco, LA 70079	5044657264 (WP)	Emission Inventory Contact for

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Rene' Thoulion	PO Box 10 Norco, LA 70079	5044657264 (WP)	TEDI Contact for
	Rene' Thoulion	PO Box 10 Norco, LA 70079	RENE THOULION@	Emission Inventory Contact for
	Rene' Thoulion	PO Box 10 Norco, LA 70079	RENE THOULION@	TEDI Contact for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Motiva Enterprises LLC	ATTN: Environmental Manager Norco, LA 70079	7132416147 (WP)	Owens
	Motiva Enterprises LLC	ATTN: Environmental Manager Norco, LA 70079	7132416147 (WP)	UST Billing Party for
	Motiva Enterprises LLC	PO Box 10 Norco, LA 700790010	5044657871 (WP)	Air Billing Party for
	Shell Norco Refinery - Motiva	Invoice Processing Convent, LA 70723		Radiation Registration Billing Party for
	Shell Norco Refinery - Motiva	15536 River Rd Norco, LA 70079		Radiation License Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Unit Wide						
EQT 0030	1-91 - F-7000 Feed Preheater		249.22 MM BTU/hr	207.75 MM BTU/hr		8760 hr/yr
EQT 0031	10-91 - PV-403, Equilibrium, Spent, and Fresh Catalyst Hoppers		44 tons/day	31 tons/day		1248 hr/yr
EQT 0038	11-91 - S-7056, Rail Car/Truck Loading		18 tons/day	18 tons/day		300 hr/yr
EQT 0045	2-91 - F-7002 RCCU Regenerator with CO Heater & Flue Gas Scrubber		500 MM BTU/hr	70 MM BTU/hr	SNCR, Coke bum rate 92,000 lb/hr	8760 hr/yr
EQT 0046	2006-95 - Cooling Water Tower		90000 gallons/min	90000 gallons/min	Stack Flow 8,791,464 scfm	8760 hr/yr
EQT 0047	3-91 - F-164, Steam Superheater		105.4 MM BTU/hr	49.14 MM BTU/hr		8760 hr/yr
EQT 0048	5-91 - K-7400, Fixed Roof Tank	21153 gallons		3.3 MM gallons/yr		8760 hr/yr
EQT 0049	6-91 - K-7600 Internal Floating Roof Tank	42342 gallons		284114 gallons/yr		8760 hr/yr
EQT 0051	8-84 - FE-201, RCCU Flare		598.31 MM BTU/hr		Pilots and Supplemental heat input 9.17 MM BTU/hr	8760 hr/yr
EQT 0257	1-03 - B-7101 Fixed Roof Tank	21000 gallons		46 MM gallons/yr		8760 hr/yr
EQT 0333	PGN - Pilot Gas (natural gas)					(None Specified)
EQT 0334	PGH - Purge Gas (hot blowdown system)					(None Specified)
EQT 0335	PGFL - Purge Gas (flare knockout)					(None Specified)
EQT 0336	MFBS - Main Fractionator Blowdown (slurry oil)					(None Specified)
EQT 0337	MFBR - Main Fractionator Blowdown (flushing oil)					(None Specified)
EQT 0338	PGF - Purge Gas (fuel gas)					(None Specified)
EQT 0339	K-8100 - LSG Compressor Seal					(None Specified)
EQT 0340	PTS - LSG Pump Tandem Seals					(None Specified)
EQT 0341	DOS - Disulfide Oil Separator Vent					(None Specified)
EQT 0342	CNTLVNT293 - SBAPP Splitter Column Accumulator					(None Specified)
EQT 0343	CNTLVNT337 - SBAPP Anal Vent A2892					(None Specified)
EQT 0344	CNTLVNT338 - SBAPP Anal Vent A3290					(None Specified)
EQT 0345	5060-08 - 5060-08, RCCU/RGHT Startup/Shutdown Emissions				8760	(None Specified)
FUG 0004	9-91 - RCCU Fugitive Emissions					8760 hr/yr
FUG 0022	3018-95 - SBA Feed Prep Unit Fugitives					8760 hr/yr
TRT 0001	3203-95 - RCCU Process Wastewater Emissions					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Unit Wide							
EQT 0030	1-91 - F-7000 Feed Preheater	14.2	54212	9		215	315
EQT 0031	10-91 - PV-403, Equilibrium, Spent, and Fresh Catalyst Hoppers	2		2.5		174	70
EQT 0038	11-91 - S-7056, Rail Car/Truck Loading	41.2	2398	97		48	70
EQT 0045	2-91 - F-7002 RCCU Regenerator with CO Heater & Flue Gas Scrubber	47.18	500000	16		210.5	141

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030063
 Permit Number: 2602-V2
 Air - Title V Regular Permit Renewal

Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Temperature (oF)
Unit Wide						
EQT 0046	2006-35 - Cooling Water Tower	101			43	48
EQT 0047	3-91 - F-164, Steam Superheater	12.7	15213	5.04		155
EQT 0048	5-91 - K-7400, Fixed Roof Tank					25
EQT 0049	6-91 - K-7600 Internal Floating Roof Tank			15.5		30
EQT 0051	8-84 - FE-201, RCCU Flare	20		84		300
						1832

Relationships:			
ID	Description	Relationship	ID
EQT 0047	3-91 - F-164, Steam Superheater	Controls emissions from	EQT 0341
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0334
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0335
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0336
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0344
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0338
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0339
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0340
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0342
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0343
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0333
EQT 0051	8-84 - FE-201, RCCU Flare	Controls emissions from	EQT 0337

Subject Item Groups:	
ID	Group Type
UNF 0008	Unit or Facility Wide
	RCCU - Unit Wide

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	1	M bbl/day

SIC Codes:

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

SIC Codes:

2911	Petroleum refining	AI 1406
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030063
 Permit Number: 2602-V2
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Unit Wide															
EQT 0030 1-91	17.11	20.52	74.94	23.41	28.10	102.53	1.55	1.86	6.78	5.67	6.80	24.82	1.12	1.34	4.91
EQT 0031 3-91							18.25	30.00	2.80						
EQT 0038 11-91							15.00	30.00	2.23						
EQT 0045 2-91	33.00	36.00	144.40	269.10	405.30	1178.50	12.68	13.84	55.55	62.06	138.81	271.81	0.32	0.35	1.40
EQT 0046 2006-95							2.57	2.57	11.23				32.40	32.40	141.91
EQT 0047 3-91	4.03	8.64	17.65	5.41	11.59	23.68	0.34	0.74	1.51	7.70	9.37	33.75	1.37	1.73	5.99
EQT 0048 5-91													0.02	0.39	0.09
EQT 0049 6-91													0.01	0.02	0.04
EQT 0051 8-84	3.41	222.24	14.94	0.63	40.69	2.74	0.12	7.66	0.52	<0.01	0.23	0.02	0.25	42.38	1.09
EQT 0257 1-03													0.01	0.01	0.03
EQT 0345 5-88-08			8.81			1.62			0.30			6.05			11.97
FUG 0004 9-51													30.36	45.54	132.97
FUG 0022 3C-9-95													1.86		8.16
TRT 0001 3203-95													4.32	4.32	18.92

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0031 10-91	Antimony (and compounds)	0.113	0.225	0.017
	Barium (and compounds)	0.018	0.036	0.003
	Chromium VI (and compounds)	0.034	0.068	0.005
	Cobalt compounds	0.02	0.04	<0.01
	Copper (and compounds)	0.005	0.009	0.001
	Manganese (and compounds)	0.01	0.02	<0.01
	Nickel (and compounds)	0.113	0.225	0.017
EQT 0038 11-91	Antimony (and compounds)	0.113	0.225	0.017
	Barium (and compounds)	0.018	0.036	0.003
	Chromium VI (and compounds)	0.034	0.068	0.005
	Cobalt compounds	0.02	0.04	<0.01
	Copper (and compounds)	0.005	0.009	0.001
	Manganese (and compounds)	0.01	0.02	<0.01
	Nickel (and compounds)	0.113	0.225	0.017
	Zinc (and compounds)	0.02	0.04	<0.01
EQT 0045 2-91	Ammonia	2.72	2.96	11.90
	Antimony (and compounds)	0.045	0.054	0.198
	Hydrochloric acid	0.11	0.12	0.49
	Hydrogen cyanide	0.237	0.258	1.036
	Lead compounds	0.02	0.03	0.10
	Mercury (and compounds)	0.001	0.001	0.005
	Nickel (and compounds)	0.147	0.176	0.642
	Sulfuric acid	19.09	20.82	83.59
EQT 0046 2006-95	Ethyl benzene	<0.01	<0.01	0.01
	Naphthalene	0.02	0.02	0.10
	Toluene	<0.01	<0.01	0.01
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0047 3-91	Benzene	0.01	0.01	0.02
	n-Hexane	0.04	0.05	0.19
EQT 0048 5-91	2,2,4-Trimethylpentane	<0.01	0.01	<0.01
	Benzene	0.01	0.20	0.05
	Ethyl benzene	<0.01	0.01	<0.01
	Hydrogen sulfide	0.01	0.13	0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0048 5-91	Styrene	<0.01	0.01	<0.01
	Toluene	0.01	0.12	0.03
	Xylene (mixed isomers)	<0.01	0.03	0.01
	n-Hexane	<0.01	0.01	<0.01
EQT 0049 6-91	Benzene	<0.01	0.01	<0.01
	Phenol	<0.01	0.01	<0.01
EQT 0051 8-84	Benzene	<0.01	<0.01	<0.01
	Hydrogen sulfide	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
	n-Hexane	0.01	1.85	0.05
EQT 0257 1-03	Benzene	<0.01	<0.01	<0.01
	Naphthalene	<0.01	<0.01	<0.01
	Toluene	<0.01	<0.01	<0.01
EQT 0345 5060-08	1,3-Butadiene			<0.001
	Ammonia			<0.01
	Benzene			0.04
	Cresol			0.02
	Ethyl benzene			0.01
	Naphthalene			0.01
	Toluene			0.03
	Xylene (mixed isomers)			<0.01
FUG 0004 9-91	1,3-Butadiene	0.02	0.02	0.07
	Benzene	0.10	0.16	0.46
	Diethanolamine	0.08	0.12	0.34
	Ethyl benzene	0.02	0.03	0.08
	Hydrogen sulfide	0.03	0.05	0.14
	Naphthalene	0.28	0.41	1.21
	Polynuclear Aromatic Hydrocarbons	0.04	0.06	0.18
	Toluene	0.17	0.26	0.76
	Xylene (mixed isomers)	0.28	0.42	1.21
	n-Hexane	0.01	0.02	0.05
FUG 0022 3018-95	1,3-Butadiene	<0.001		0.002
	1-Methylnaphthalene	<0.01		<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0022 3018-95	2,2,4-Trimethylpentane	<0.01		0.01
	2-Methylnaphthalene	<0.01		<0.01
	Ammonia	<0.01		<0.01
	Benzene	<0.01		0.01
	Biphenyl	<0.01		<0.01
	Cresol	<0.01		<0.01
	Cumene	<0.01		<0.01
	Ethyl benzene	<0.01		0.01
	Hydrogen sulfide	<0.01		<0.01
	Methyl Tertiary Butyl Ether	<0.01		<0.01
	Naphthalene	<0.01		<0.01
	Phenol	<0.01		<0.01
	Styrene	<0.01		<0.01
	Toluene	<0.01		0.02
	Xylene (mixed isomers)	0.01		0.03
n-Hexane	<0.01		0.02	
TRT 0001 3203-95	Benzene	<0.01	<0.01	0.01
	Ethyl benzene	<0.01	<0.01	0.02
	Naphthalene	<0.01	<0.01	<0.01
	Toluene	0.08	0.08	0.34
	Xylene (mixed isomers)	0.05	0.05	0.24
UNF 0008 RCCU	1,3-Butadiene			0.07
	1-Methylnaphthalene			<0.01
	2,2,4-Trimethylpentane			0.02
	2-Methylnaphthalene			<0.01
	Ammonia			11.90
	Antimony (and compounds)			0.23
	Barium (and compounds)			0.01
	Benzene			0.59
	Biphenyl			<0.01
	Chromium VI (and compounds)			0.01
	Cobalt compounds			0.01
Copper (and compounds)			0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0008 RCCU	Cresol			0.02
	Cumene			<0.01
	Diethanolamine			0.34
	Ethyl benzene			0.12
	Hydrochloric acid			0.49
	Hydrogen cyanide			1.04
	Hydrogen sulfide			0.17
	Lead compounds			0.10
	Manganese (and compounds)			<0.01
	Mercury (and compounds)			0.01
	Methyl Tertiary Butyl Ether			<0.01
	Naphthalene			1.33
	Nickel (and compounds)			0.68
	Phenol			<0.01
	Polynuclear Aromatic Hydrocarbons			0.18
	Styrene			<0.01
	Sulfuric acid			83.59
	Toluene			1.19
Xylene (mixed isomers)			1.50	
Zinc (and compounds)			0.01	
n-Hexane			0.31	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AIID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0030 1-91 - F-7000 Feed Preheater

- 1 [40 CFR 60.104.a.1] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
- 2 [40 CFR 60.105.a.4] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: None specified
- 3 [40 CFR 60.660] Shall comply with the alternative monitoring requirements as approved by U.S. EPA by a letter dated August 28, 2003. The letter states that the testing and monitoring requirements are exempt as per the requirements of NSPS, Subpart RRR, 40 CFR 60.703(c)(2) when firing fuel gas containing a vent stream from the OP-1 demethanizer system. Subpart NNN. [40 CFR 60.660, 40 CFR 60.60.8(b)(4)]
- 4 [40 CFR 60.662.a] Introduce the vent stream into the flame zone if a process heater or boiler is used to comply. Subpart NNN. [40 CFR 60.662(a)]
- 5 [40 CFR 60.662.a] Total Organic Compounds (less methane and ethane) ≥ 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
 Which Months: All Year Statistical Basis: None specified
- 6 [LAC 33:III.1101.B] Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 7 [LAC 33:III.1313.C] Total suspended particulate ≤ 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 8 [LAC 33:III.1503.C] Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of LAC 33:III.1503.
- 9 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

EQT 0031 10-91 - PV-403, Equilibrium, Spent, and Fresh Catalyst Hoppers

- 10 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 11 [LAC 33:III.1311.C] Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 12 [LAC 33:III.5109.A] Emissions shall be controlled by a cyclone separator having an efficiency of 95% or greater when operating the CO Heater and 80% or greater when the CO Heater is shutdown (reasonable). Determined as MACT.
- 13 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0038 11-91 - S-7056, Rail Car/Truck Loading

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0038 11-91 - S-7056, Rail Car/Truck Loading

- 14 [LAC 33-III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33-III.1305.A.1-7.
- 15 [LAC 33-III.1311.C] Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 16 [LAC 33-III.5109.A] Emissions shall be controlled by fabric filters having an efficiency of 95% or greater when operating. Determined as MACT.
- 17 [LAC 33-III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0045 2-91 - F-7002 RCCU Regenerator with CO Heater & Flue Gas Scrubber

- 18 [40 CFR 60.102 a.1] Total suspended particulate <= 1 kg/Mg (2.0 lb/ton) of coke burn-off, except as specified in 40 CFR 60.102(b). Subpart J. [40 CFR 60.102(a)(1)]
 Which Months: All Year Statistical Basis: None specified
- 19 [40 CFR 60.103 a] Carbon monoxide <= 500 ppmv (dry basis). Subpart J. [40 CFR 60.103(a)]
 Which Months: All Year Statistical Basis: Hourly avg maximum
- 20 [40 CFR 60.104 b.1] Sulfur dioxide >= 90 % reduction, or Sulfur dioxide <= 50 ppmv, whichever is less stringent and Sulfur dioxide <= 25 ppmvd on a 365-day rolling average. Subpart J. [40 CFR 60.104(b)(1)]
 Which Months: All Year Statistical Basis: Seven-day rolling average
- 21 [40 CFR 60.105 a.10] Oxygen monitored by continuous emission monitor (CEM) continuously at both the inlet and outlet of the sulfur dioxide control device (or the outlet only if specifically complying with the 50 ppmv standard). Subpart J. [40 CFR 60.105(a)(10)]
 Which Months: All Year Statistical Basis: None specified
- 22 [40 CFR 60.105 a.12] Use the procedures in 40 CFR 60.105(a)(12)(i) and (ii) to evaluate the continuous monitoring systems under 40 CFR 60.105(a)(8), (a)(9), and (a)(10). Subpart J. [40 CFR 60.105(a)(12)]
- 23 [40 CFR 60.105 a.2] Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.105(a)(2)(ii) Subpart J. [40 CFR 60.105(a)(2)]
 Which Months: All Year Statistical Basis: None specified
- 24 [40 CFR 60.105 a.9] Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Subpart J. [40 CFR 60.105(a)(9)]
 Which Months: All Year Statistical Basis: None specified
- 25 [40 CFR 60.105 c] Rc & operating hours recordkeeping by electronic or hard copy daily. Record the average coke burn-off rate (Mg (tons) per hour) and hours of operation. Subpart J. [40 CFR 60.105(c)]
- 26 [40 CFR 60.106.a] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 27 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 28 [40 CFR 60.107.b] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.107(b)(1) through (b)(4), as applicable. Subpart J. [40 CFR 60.107(b)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0045 2-91 - F-7002 RCCU Regenerator with CO Heater & Flue Gas Scrubber

- 29 [40 CFR 60.107.c] Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.107(d). Include the information specified in 40 CFR 60.107(c)(1) through (c)(6). Subpart J. [40 CFR 60.107(c)]
- 30 [40 CFR 60.40b-49b] Shall comply with all the applicable requirements of 40 CFR 60.40b. The unit is equipped with a SNCR as per the requirements of the Consent Decree.
- 31 [40 CFR 60.660] Shall comply with the alternative monitoring requirements as approved by U.S. EPA by a letter dated August 28, 2003. The letter states that the testing and monitoring requirements are exempt as per the requirements of NSPS, Subpart RRR, 40 CFR 60.703(c)(2) when firing fuel gas containing a vent stream from the OP-1 demethanizer system. Subpart NNN. [40 CFR 60.60.8(b)(4), 40 CFR 60.660]
- 32 [40 CFR 60.662.a] Introduce the vent stream into the flame zone if a process heater or boiler is used to comply. Subpart NNN. [40 CFR 60.662(a)]
- 33 [40 CFR 60.662.a] Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
- 34 [40 CFR 63.1564] Which Months: All Year Statistical Basis: None specified
 Compliance with the applicable requirements of NSPS, Subpart J, 40 CFR 60.102 and 103 has been determined to be compliance in accordance with all the applicable requirements of NESHAP, Subpart UUU. [40 CFR 63.1564, 40 CFR 63.1565]
- 35 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 36 [LAC 33:III.1311.D] Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. Subpart J. [LAC 33:III.1311.D, 40 CFR 60.102(a)(2)]
- 37 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: Six-minute average
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 38 [LAC 33:III.1503.C] Compliance with the requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance with the requirements of LAC 33:III.Chapter 13 and Chapter 15. [LAC 33:III.1311, LAC 33:III.1503.C, LAC 33:III.1513]
- 39 [LAC 33:III.1705] Do not emit the carbon monoxide waste gas stream from any catalyst regeneration of a petroleum cracking system, petroleum fluid coker, or other petroleum process into the atmosphere unless the waste gas stream is burned in a direct flame afterburner or boiler or is controlled by other means approved by DEQ.
- 40 [LAC 33:III.501.C.6] Permittee shall: limit CO emissions to 33 lb/hr on a one-hour average and limit CO emissions to 144.4 tons per year on a 365 day rolling average. Permittee shall maintain the CEM in accordance with the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F.
- 41 [LAC 33:III.501.C.6] Sulfur dioxide <= 50 ppmvd @ 0% excess air, and 25 ppmvd @ 0% excess air based on maximum 365-day rolling average [Consent Decree].
 Which Months: All Year Statistical Basis: 24-hour rolling average based on a one-hour average
- 42 [LAC 33:III.501.C.6] Permittee shall limit NOx emissions to 269.1 lb/hr on a 24-hour rolling average and limit NOx emissions to 1178.5 tons per year on a 365 day rolling average. Permittee shall maintain the CEM in accordance with the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F [Consent Decree].

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0045 2-91 - F-7002 RCCU Regenerator with CO Heater & Flue Gas Scrubber

- 43 [LAC 33-III.501.C.6] Nitrogen dioxide <= 203.1 ppmv @ 0% excess air and 150.8 ppmdv on a 365-day rolling average at zero percent air [proposed as per Consent Decree].
Which Months: All Year Statistical Basis: 24-hour rolling average based on a one-hour average
- 44 [LAC 33-III.501.C.6] Permittee shall limit SO2 emissions to 62.06 lb/hr on a seven day rolling average and limit SO2 emissions to 271.81 tons per year on a 365 day rolling average. Permittee shall maintain the CEM in accordance with the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F [Consent Decree].
- 45 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT). Compliance with the NESHAP, 40 CFR 63, Subpart UUJ is determined as MACT.
- 46 [LAC 33-III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0046 2006-95 - Cooling Water Tower

- 47 [40 CFR 63.402] Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q.
- 48 [LAC 33-III.5109.A] Shall comply with all the applicable requirements of LAC 33-III. Chapter 51. No further controls are required under MACT
- 49 [LAC 33-III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0047 3-91 - F-164, Steam Superheater

- 50 [40 CFR 60.104.a.1] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average
- 51 [40 CFR 60.105.a.4] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified
- 52 [40 CFR 60.106.a] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 53 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 54 [40 CFR 60.48c] Shall comply with all the recordkeeping requirements of 40 CFR 60, Subpart Dc.
- 55 [40 CFR 60.660] Shall comply with the alternative monitoring requirements as approved by U.S. EPA by a letter dated August 28, 2003. The letter states that the testing and monitoring requirements are exempt as per the requirements of NSPS, Subpart RRR, 40 CFR 60.703(c)(2) when firing fuel gas containing a vent stream from the OP-1 demethanizer system. Subpart NNN. [40 CFR 60.660, 40 CFR 60.8(b)(4)]
- 56 [40 CFR 60.662.a] Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0047 3-91 - F-164, Steam Superheater

- 57 [40 CFR 60.662.a] Introduce the vent stream into the flame zone if a process heater or boiler is used to comply. Subpart NNN. [40 CFR 60.662(a)]
- 58 [40 CFR 63.643.a.2] The vent stream is introduced in the flame zone. Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)]
 Which Months: All Year Statistical Basis: None specified
- 59 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 60 [LAC 33:III.1313.C] Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of LAC 33:III.1503.
- 61 [LAC 33:III.1503.C] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 62 [LAC 33:III.1513] Process vent from the Disulfide Oil Separator is routed to the steam superheater. [LAC 33:III.2115, LAC 33:III.5109.A, 40 CFR 63.643]
- 63 [LAC 33:III.2115] Compliance with the all the applicable requirements of NESHAP, 40 CFR 63.643(a)(2) and (b) is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. Determined as MACT.

EQT 0048 5-91 - K-7400, Fixed Roof Tank

- 65 [40 CFR 61.342.e] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year: as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 66 [40 CFR 63.640.n] Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb shall comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 40 CFR 63.654. [40 CFR 63.640(n)]
- 67 [LAC 33:III.5109.A] Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with 40 CFR 63, Subpart CC is determined as MACT.
- 68 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 69 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.

EQT 0049 6-91 - K-7600 Internal Floating Roof Tank

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0049 6-91 - K-7600 Internal Floating Roof Tank

- 70 [40 CFR 60.112b.a.1(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 71 [40 CFR 60.112b.a.1(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- 72 [40 CFR 60.112b.a.1] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and snub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 73 [40 CFR 60.113b.a.1] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
 Which Months: All Year Statistical Basis: None specified
- 74 [40 CFR 60.113b.a.3(i)] Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]
 Which Months: All Year Statistical Basis: None specified
- 75 [40 CFR 60.113b.a.4] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

EQT 0049 6-91 - K-7600 Internal Floating Roof Tank

- 76 [40 CFR 60.113b.a.4] If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 77 [40 CFR 60.113b.a.5] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- 78 [40 CFR 60.115b.a.1] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- 79 [40 CFR 60.115b.a.2] Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 80 [40 CFR 60.115b.a.3] Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 81 [40 CFR 60.115b.a.4] Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- 82 [40 CFR 60.116b.b] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 83 [40 CFR 60.116b.c] VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 84 [40 CFR 60.116b.d] Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
- 85 [40 CFR 60.116b.f.1] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

EQT 0049 6-91 - K-7600 Internal Floating Roof Tank

- 86 [40 CFR 60.116b f2] Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
- 87 [40 CFR 61.342.e] Which Months: All Year Statistical Basis: None specified
Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 88 [40 CFR 63.640.n] Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb shall comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(m)(8), and with all the applicable requirements of 40 CFR 63.642 and 40 CFR 63.654. [40 CFR 63.640(n)]
- 89 [LAC 33:III.5109.A] Compliance with the applicable requirements of 40 CFR 63, Subpart CC and LA Refinery MACT Determination of July 26, 1994, has been determined to be compliance in accordance with LAC 33:III.5109.A.
- 90 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0051 8-84 - FE-201, RCCU Flare

- 91 [40 CFR 60.104.a.1] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- 92 [40 CFR 60.105.a.4] Which Months: All Year Statistical Basis: Three-hour rolling average
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 93 [40 CFR 60.106.a] Which Months: All Year Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 94 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 95 [40 CFR 60.18.c.1] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 96 [40 CFR 60.18.c.2] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 97 [40 CFR 60.18.c.3.(ii)] Heat content ≥ 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- 98 [40 CFR 60.18.c.4.(i)] Which Months: All Year Statistical Basis: None specified
Exit Velocity < 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- 99 [40 CFR 60.18.d] Which Months: All Year Statistical Basis: None specified
Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 100 [40 CFR 60.18.e] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0051 8-84 - FE-201, RCCU Flare

- 101 [40 CFR 60.18.f.2] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- 102 [40 CFR 63.11.b.1] Which Months: All Year Statistical Basis: None specified
- 103 [40 CFR 63.11.b.3] Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]
- 104 [40 CFR 63.11.b.4] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]
- 105 [40 CFR 63.11.b.5] Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]
- 106 [40 CFR 63.11.b.5] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
- 107 [40 CFR 63.11.b.6(ii)] Which Months: All Year Statistical Basis: None specified
- 108 [40 CFR 63.11.b.7.(i)] Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
- 109 [40 CFR 63.644.a.2] Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
- 110 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
- 111 [LAC 33:III.1105] Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined using the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(i)]
- 112 [LAC 33:III.1107] Presence of a flame monitored by the regulator's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet beam sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]
- 113 [LAC 33:III.1503.C] Which Months: All Year Statistical Basis: None specified
- 114 [LAC 33:III.1513] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:III.3923. Notification is required only if the upset cannot be controlled in six hours.
- 115 [LAC 33:III.1513] Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 116 [LAC 33:III.1513] Which Months: All Year Statistical Basis: None specified
- 117 [LAC 33:III.1513] Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.
- 118 [LAC 33:III.1513] Compliance with the requirements of NSPS, 40 CFR 60.104 is considered compliance with the requirements of LAC 33:III.1503.
- 119 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0051 8-84 - FE-201, RCCU Flare

115 [LAC 33:III.2111, 2115]

The following miscellaneous process vents are routed to this flare:

- Pilot Gas (not a waste gas) - natural gas
- Purge Gas (hot blowdown system) - Group 2
- Purge Gas (flare knockout) - Group 2
- LSG Compressor Seal - No Taps
- LSG Pump Tandem Seals - Group 1

Main fractionator Maintenance Blowdown (Flushing Oil and Slurry Oil) - Group 1 and 2). [LAC 33:III.2111, 2115, LAC 33:III.2121, LAC 33:III.5109.A, 40 CFR 60.590, 40 CFR 63.643, 648]

116 [LAC 33:III.Chapter 51]

Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with 40 CFR 60.18 and 40 CFR 63.11(b) is determined as MACT.

EQT 0257 1-03 - B-7101 Fixed Roof Tank

117 [40 CFR 60.116b.b]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

118 [40 CFR 60.116b.f.1]

Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]

119 [40 CFR 63.640.n]

Overlap of NESHAP, 40 CFR 63, Subpart CC; Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb shall comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 40 CFR 63.654. [40 CFR 63.640(n)]

120 [LAC 33:III.5109.A]

Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance in accordance with the MACT requirements of LAC 33:III.5109.A.

EQT 0334 PGH - Purge Gas (hot blowdown system)

121 [LAC 33:III.2115.B]

Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F. Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84 having a 98 percent or greater VOC destruction or removal efficiency.

Which Months: All Year Statistical Basis: None specified

122 [LAC 33:III.2115.I]

Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.

123 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0335 PGFL - Purge Gas (flare knockout)

SPECIFIC REQUIREMENTS

AIID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0335 PGFL - Purge Gas (flare knockout)

- 124 [LAC 33:III.2115.B] Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F. Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84 having a 98 percent or greater VOC destruction or removal efficiency.
Which Months: All Year Statistical Basis: None specified
- 125 [LAC 33:III.2115.I] Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.
- 126 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0336 MFBS - Main Fractionator Blowdown (slurry oil)

- 127 [LAC 33:III.2115.B] Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F. Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84 having a 98 percent or greater VOC destruction or removal efficiency.
Which Months: All Year Statistical Basis: None specified
- 128 [LAC 33:III.2115.I] Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.
- 129 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0337 MFBF - Main Fractionator Blowdown (flushing oil)

- 130 [40 CFR 63.643.a.1] Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84, having a 98 percent or greater VOC reduction efficiency. Subpart CC. [40 CFR 63.643(a)(1)]
- 131 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.

EQT 0338 PGF - Purge Gas (fuel gas)

- 132 [40 CFR 63.643.a.1] Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84, having a 98 percent or greater VOC reduction efficiency. Subpart CC. [40 CFR 63.643(a)(1)]
- 133 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.

EQT 0339 K-8100 - LSG Compressor Seal

- 134 [40 CFR 60.482-3] Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84, having a 98 percent or greater VOC reduction efficiency. Subpart CC.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0339 K-8100 - LSG Compressor Seal

- 135 [40 CFR 60.592.a] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 136 [40 CFR 60.592.d] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 137 [40 CFR 60.592.e] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 138 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 139 [LAC 33:III.2121.F] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.

EQT 0340 PTS - LSG Pump Tandem Seals

- 140 [40 CFR 60.592.a] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 141 [40 CFR 60.592.d] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 142 [40 CFR 60.592.e] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 143 [40 CFR 63.643.a.1] Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84, having an efficiency of 98 percent or greater reduction. Subpart CC. [40 CFR 63.643(a)(1)]
- 144 [40 CFR 63.648] Emissions routed to the existing RCCU Flare FE-201, Emission Point 8-84, having a 98 percent or greater VOC reduction efficiency. Subpart CC.
- 145 [LAC 33:III.2121.F] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
- 146 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.

EQT 0341 DOS - Disulfide Oil Separator Vent

- 147 [40 CFR 63.643] Emissions routed to the existing Steam Superheater F-164, Emission Point 3-91, having a 98 percent or greater VOC reduction efficiency. Subpart CC.
- 148 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.5109.A.

EQT 0342 CNTLVNT293 - SBAFP Splitter Column Accumulator

- 149 [LAC 33:III.2115.A] Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

EQT 0342 CNTLVNT293 - SBAFP Splitter Column Accumulator

- 150 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Emissions are routed to an existing RCCU Flare FE-201, Emission Point 8-84.
- 151 [LAC 33:III.501.C.6]

EQT 0343 CNTLVNT337 - SBAFP Anal Vent A2892

- 152 [LAC 33:III.501.C.6] Emissions are routed to an existing RCCU Flare FE-201, Emission Point 8-84.

EQT 0344 CNTLVNT338 - SBAFP Anal Vent A3290

- 153 [LAC 33:III.501.C.6] Emissions are routed to an existing RCCU Flare FE-201, Emission Point 8-84.

EQT 0345 5060-08 - 5060-08, RCCU/RGHT Startup/Shutdown Emissions

- 154 [LAC 33:III.507] Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated RCCU/RGHT Startup/Shutdown (SU/SD), Emission Point 5060-08, based on the SU/SD events to no more than PM10, 0.30 tons per year (TPY); SO2, 6.05 TPY; NOx, 1.62 TPY; CO, 8.81 TPY, and VOC, 11.97 TPY. The overall SU/SD emission shall be calculated based on the SU/SD events and recorded each month, as well as the SU/SD emissions calculated for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated SU/SD emissions based on the SU/SD events for any criteria pollutant above its maximum emission listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated SU/SD emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

FUG 0004 9-91 - RCCU Fugitive Emissions

- 155 [40 CFR 60.590] Shall comply with all the applicable requirements of 40 CFR 60, Subpart GGG. As per the requirements of 40 CFR 60.592 the facility shall comply with the requirements of 40 CFR 60.482-1 thru 10. Test methods as per 40 CFR 60.485, and reporting and recordkeeping as per 40 CFR 60.486 and 487. Subpart GGG.
- 156 [40 CFR 60.592.d] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 157 [40 CFR 60.592.e] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 158 [40 CFR 63.648] Shall comply with all the applicable requirements of 40 CFR 63.648. Shall comply with a leak definition of 500 ppm for compressor seals and valves in light liquid or gas service. Subpart CC.
- 159 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
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Air - Title V Regular Permit Renewal

FUG 0004 9-91 - RCCU Fugitive Emissions

- 160 [LAC 33:III.2121.B.1] Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
- 161 [LAC 33:III.2121.B.2] Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 162 [LAC 33:III.2121.B.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
- 163 [LAC 33:III.2121.C.1.a.i] Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 164 [LAC 33:III.2121.C.1.a.ii] Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year) If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 165 [LAC 33:III.2121.C.1.a.iii] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 166 [LAC 33:III.2121.C.1.b.i] Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 167 [LAC 33:III.2121.C.1.b.ii] Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).
 Which Months: All Year Statistical Basis: None specified
- 168 [LAC 33:III.2121.C.1.b.iii] Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 169 [LAC 33:III.2121.C.1.c] Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).
 Which Months: All Year Statistical Basis: None specified
- 170 [LAC 33:III.2121.C.3.a] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 171 [LAC 33:III.2121.C.3.b] All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

FUG 0004 9-91 - RCCU Fugitive Emissions

- 172 [LAC 33:III.2121.C.4.c] Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
Which Months: All Year Statistical Basis: None specified
Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
Which Months: All Year Statistical Basis: None specified
When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
- 173 [LAC 33:III.2121.C.4.c]
- 174 [LAC 33:III.2121.E.1] Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
- 175 [LAC 33:III.2121.E]
- 176 [LAC 33:III.2121.F] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.
- 177 [LAC 33:III.501.C.6] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2.c does not apply. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair/leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6, except that Subsection O.2.c does not apply, and the recordkeeping and reporting requirements.
- 178 [LAC 33:III.5109.A] Submit report: Include the information specified in Paragraphs R.2.b.xvi through R.2.b.xxiii, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). The reporting schedule will be that which has been established by existing LDAR programs. Subsections R.1, R.3 and R.4 do not apply.
- 179 [LAC 33:III.5109.A]
- 180 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030063

Permit Number: 2602-V2

Air - Title V Regular Permit Renewal

FUG 0004 9-91 - RCCU Fugitive Emissions

- 181 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC. Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2.c does not apply. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading >= 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified
- 182 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 183 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 184 [LAC 33:III.5109.A] Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 185 [LAC 33:III.5109.A] Comply with the test methods and procedures in Section P, as specified in Subsections P.1, P.2, and P.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 186 [LAC 33:III.5109.A] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, except for Subsection Q.5, Q.8, and Q.11, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). The leak definition is 500 ppm and the requirements of Subsection Q.12 will coincide with that done for valves and other components associated with connectors.
- 187 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P, except that Subsections P.3 and P.5 do not apply. The weld can also be tested by using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.
Which Months: All Year Statistical Basis: None specified
- 188 [LAC 33:III.5109.A] Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 189 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC. Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P, except for Subsection P.3 and P.5 which do not apply. Comply with this requirement instead of the requirements in Subsection O.1.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030063
Permit Number: 2602-V2
Air - Title V Regular Permit Renewal

FUG 0004 9-91 - RCCU Fugitive Emissions

- 190 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with all the Subsections O.2 through O.6 except for Subsection O.2.c, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.
- 191 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors $>$ 2): VOC. Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994) except that Subsection O.2.c does not apply. If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- 192 [LAC 33:III.5113.B.1] Which Months: All Year Statistical Basis: None specified Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- 193 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- 194 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.
- 195 [LAC 33:III.5113.B.5] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 196 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 197 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 198 [LAC 33:III.5113.B.7] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test.
- 199 [LAC 33:III.5113.C.1] Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 200 [LAC 33:III.5113.C.2] Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 201 [LAC 33:III.Chapter 5] Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with 40 CFR 63.648 is determined as MACT. Shall also comply with all the applicable requirements of LA MACT Determination for Refinery Equipment Leaks of 7/26/1994 as approved under the Air Toxic Compliance Plan dated January 9, 1996 [Proposed Alternative LDAR for Connectors To Meet La Refinery MACT Determination ("Enhancement" of Existing LDAR Programs)].

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FUG 0022 3018-95 - SBA Feed Prep Unit Fugitives

- 202 [40 CFR 60.592 a) Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 203 [40 CFR 60.592 d) Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 204 [40 CFR 60.592 e) Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 205 [40 CFR 63.648 a) Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]
- 206 [40 CFR 63.648.h) Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
- 207 [LAC 33:III.2121.1) Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 208 [LAC 33:III.2121.B.1) Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
- 209 [LAC 33:III.2121.B.2) Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 210 [LAC 33:III.2121.B.3) Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
- 211 [LAC 33:III.2121.C.1.a.i) Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 212 [LAC 33:III.2121.C.1.a.ii) Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 213 [LAC 33:III.2121.C.1.a.iii) Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 214 [LAC 33:III.2121.C.1.b.i) Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
- 215 [LAC 33:III.2121.C.1.b.ii) Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).
 Which Months: All Year Statistical Basis: None specified
- 216 [LAC 33:III.2121.C.1.b.iii) Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified

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- 217 [LAC 33:III.2121.C.1.c] Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).
Which Months: All Year Statistical Basis: None specified
- 218 [LAC 33:III.2121.C.3.a] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 219 [LAC 33:III.2121.C.3.b] Which Months: All Year Statistical Basis: None specified
All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.
Which Months: All Year Statistical Basis: None specified
Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
- 220 [LAC 33:III.2121.C.4.c] Which Months: All Year Statistical Basis: None specified
Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
Which Months: All Year Statistical Basis: None specified
- 221 [LAC 33:III.2121.C.4.c] When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
- 222 [LAC 33:III.2121.E.1] Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
- 224 [LAC 33:III.2121.F] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
- 225 [LAC 33:III.501.C.6] The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.
- 226 [LAC 33:III.5109.A.2] Compliance with 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

TRI 0001 3203-95 - RCCU Process Wastewater Emissions

- 227 [40 CFR 60.690.692-1.j] Shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ.
- 228 [40 CFR 60.692-2.a.1] Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

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- 229 [40 CFR 60.692-2.a.2] Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
- 230 [40 CFR 60.692-2.a.3] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
- 231 [40 CFR 60.692-2.a.4] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
- 232 [40 CFR 60.692-2.a.5] Which Months: All Year Statistical Basis: None specified
 Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]
- 233 [40 CFR 60.692-2.b.1] Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]
- 234 [40 CFR 60.692-2.b.2] Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]
- 235 [40 CFR 60.692-2.b.3] Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
- 236 [40 CFR 60.692-2.b.4] Which Months: All Year Statistical Basis: None specified
 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
- 237 [40 CFR 60.692-2.c.1] Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
- 238 [40 CFR 60.692-2.c.2] Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
- 239 [40 CFR 60.692-2.c.3] Which Months: All Year Statistical Basis: None specified
 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]
- 240 [40 CFR 60.692-2.e] Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]
- 241 [40 CFR 60.696.a] Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- 242 [40 CFR 60.697.a] Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]

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- 243 [40 CFR 60.697.b] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQ. [40 CFR 60.697(b)]
- 244 [40 CFR 60.697.e] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQ. [40 CFR 60.697(e)]
- 245 [40 CFR 60.697.f] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQ. [40 CFR 60.697(f)]
- 246 [40 CFR 60.697.g] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQ. [40 CFR 60.697(g)]
- 247 [40 CFR 60.698.b.1] Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQ. Subpart QQ. [40 CFR 60.698(b)(1)]
- 248 [40 CFR 60.698.c] Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQ. [40 CFR 60.698(c)]
- 249 [40 CFR 61.342.e] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 250 [40 CFR 63.647.a] Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a)]
- 251 [LAC 33:III.5109.A] Compliance with all the applicable requirements of 40 CFR 61, Subpart FF has been determined to be compliance in accordance with the MACT requirements of LAC 33:III.5109.A.
- 252 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

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- 253 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 254 [40 CFR 61.145.b.1] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 255 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

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- 256 [40 CFR 61.342.c] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 257 [40 CFR 61.356.a.4] Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.357, 40 CFR 61.356(a)(4)]
- 258 [40 CFR 61] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 259 [40 CFR 63.1564.b.6] Demonstrate initial compliance with the work practice standard in 40 CFR 63.1564(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1564(b)(6)]
- 260 [40 CFR 63.1564.b.7] Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1564(b)(7)]
- 261 [40 CFR 63.1564.c.2] Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1564(a)(3) by maintaining records to document conformance with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1564(c)(2)]
- 262 [40 CFR 63.1565.b.5] Demonstrate initial compliance with the work practice standard in 40 CFR 63.1565(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status according to 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1565(b)(5)]
- 263 [40 CFR 63.1565.b.6] Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1565(b)(6)]
- 264 [40 CFR 63.1569.b.3] Demonstrate initial compliance with the work practice standard in 40 CFR 63.1569(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1569(b)(3)]
- 265 [40 CFR 63.1569.b.4] Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1569(b)(4)]
- 266 [40 CFR 63.1569.c.2] Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(2)]
- 267 [40 CFR 63.1570.a] Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]
- 268 [40 CFR 63.1570.b] Be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(b)]
- 269 [40 CFR 63.1570.c] Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- 270 [40 CFR 63.1570.d] Develop a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]
- 271 [40 CFR 63.1570.f] Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- 272 [40 CFR 63.1574.a] Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]

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- 273 [40 CFR 63.1574.d] Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- 274 [40 CFR 63.1574.f] Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]
- 275 [40 CFR 63.1575] Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU.
- 276 [40 CFR 63.1576] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 277 [40 CFR 63.642.e] Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 278 [40 CFR 63.642.g] Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)]
- 279 [40 CFR 63.642.h] Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 280 [40 CFR 63.654.h.1] Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 281 [40 CFR 63.654.h.6] Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 282 [40 CFR 63.654.i.4] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 283 [40 CFR 63] Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 284 [40 CFR 70.5.a.1.(iii)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 285 [40 CFR 70.6.a.3.(iii)(A)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 286 [40 CFR 70.6.a.3.(iii)(B)]

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- 287 [40 CFR 70.6.c.5.(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 288 [40 CFR 82.Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 289 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1111 or intensify an existing traffic hazard condition are prohibited.
- 290 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 291 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 292 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 293 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 294 [LAC 33:III.2141.A] Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 295 [LAC 33:III.2141.A] Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
- 296 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 297 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight-point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 298 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 299 [LAC 33:III.509] Comply with the requirements of PSD-LA-618 and 671 (as applicable). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-618 and 671 (as applicable).
- 300 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 301 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 302 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 303 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A

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- 304 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 305 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 306 [LAC 33:III.5107.A.] Submit Annual Emissions Report (TED): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 307 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6395 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 308 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:1.3923.
- 309 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931. Submit notification in the manner provided in LAC 33:1.3923.
- 310 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 311 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 312 [LAC 33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 313 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 314 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

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- 315 [LAC 33:III.5613.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 316 [LAC 33:III.5113.B.2] Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ.
- 317 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through B.4.e.
- 318 [LAC 33:III.5113.B.6] Retain records of emission test results and other data needed to determine emissions. Records at the source or at an alternate location approved by DEQ shall be maintained for a minimum of two years, and make them available upon request for inspection by DEQ.
- 319 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 320 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 321 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert
- 322 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 323 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 324 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 325 [LAC 33:III.5611.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 326 [LAC 33:III.5611.B] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- 327 [LAC 33:III.5901.A] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 328 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 329 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 330 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
- 331 [LAC 33:III.905] Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
- Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

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- 332 [LAC 33:III.913] Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
- 333 [LAC 33:III.917.A] Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
- 334 [LAC 33:III.917.B] No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- 335 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 336 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- 337 [LAC 33:III.929.A] No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.